249 [655] tree is needed to reinvigorate them In the time of the Coorg Rajas, cardamoms were a Government monopoly. Now the jungles are held from the State on a lease of ten years.

Coffee Cultivation

245 [177] The cultivation of coffee is another great industry in Coorg. It was first introduced by the Moplas, and the Coorgs borrowed it fron them. It became a popular industry which effected great changes in their economic life. But the depression which has since followed led to the abandonment of many estates and to renewed interest in rice cultivation.

Fruit Cultivation

Of fruit trees, plantains and oranges are common all over Coorg. Coorg oranges are famous. The best variety is the luscious loose jacket, so called because the rind of the ripe fruit is almost detached from the pulp. Pineapples, pomegrantes, and jack fruit are abundant.

231 222 237 [431] [432] ### Honey and Wax

Honey and wax are of great importance to the Coorgs. The latter is one of their articles for sale and export. The native bees are rather small, dark brown or black. Most swarms live in hollow trees or among rocks. But tht Coorgs make hives, put them near the old swarms and wash them inside with honey in the hope that new swarms will settle in them. Such swarms belong to the maker of the hive, while other swarms belong to the finder. The hives are made in hollowed logs loosely fitting in set ends. They are usually three to five feet long and about one foot in diameter. They are laid horizontally in the forks of trees often as much as 20 feet from the ground. This is to protect the swarm from animals. To obtain the honey and wax, the swarm is first stupefied with smoke from torches. The end of the comb is then fried out and all the comb is then removed at once destroying the colony. A large wooden bowl of special type is used for collecting the honey. Another method of gathering honey is to take a number of pots with small holes, the inside of which are either washed with honey or rubbed with beeswax. These pots are placed in the forest at a distance from their homes. Bees are gathered and form a colony in each pot. The inmates of the house go there at night. cover them with a kerchief, bring them home, and place them conveniently on a plank five feet from the floor, and allow them to remain until the comb is developed. When honey is finally gathered by pressing, it is strained through cloth, and preserved in vessels before being used. After the honey is pressed out, the residue is boiled and strained to collect wax which is poured in shallow vessels where it becomes solidified. It is then sent to the market for sale.

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so short as to render this so-called cotton commercially valueless. The wood is soft and spongy and of little value. Another red cotton tree of smaller size and with a prickly trunk is the Salmalia Malabarica (*Can.* Mulu yelava). The Dindul or "Conocarpus latifolius" is a fine timber tree and very frequent in the deciduous jungles. The heart-wood is of a chocolate colour and exceedingly durable. The Kurubas use it for axe-handles. When burning it emits an intense and sustained heat and is therefore highly prized for lime kilns and distilleries. The *Hedde-mara* or "Nauclea cordifolia" yields a beautiful close-grained wood resembling box; but it cannot withstand exposure to damp. Its small yellow flowers appear in November and December. The "Rottleria tinctoria" furnishes an orange dye—the kapela ranga. The *Soap-nut tree* (sapindus) which is here rather common, produces a small fruit, the pulp of which is saponaceous and used by the natives for washing. For marking their cotton clothes the pure black acrid juice of the shell of the "marking nut" is used; it is the fruit of a tree about 50 feet high, the Semecarpus Anacardium. The native ink is chiefly manufactured with the fruit or galls of the Alali-mara and sulphate of iron. This tree, the Terminalia chebula, yields excellent galls produced by insects puncturing the tender leaves. The astringent nuts bruised and mixed with molasses and chunam produce a very strong mortar. They are also largley used for tannin purposes.

On the outskirts of bamboo jungles the *Indian Coral tree* (Erythrina Indica) with its brilliant scarlet flowers may be frequently found; its soft wood is much used for toys. On account of its prickly bark the branches make good fences, and where the betel vine is cultivated this tree offers an excellent support. A very pretty tree with spreading pinnate foliage and gooseberry like seeds is the *Nelli-kai-mara* or "Emblica Officinalis." The fruit though hard is welcome to many for its thirst assuaging properties. Sometimes it is Preserved in Sugar.

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*136 counter any one, who has been attracted by its peculiar noise. It is covered with a light brown woolly fur, whitish beneath, and lives chiefly on fruits, but is not frequently met with. When unobserved, it moves about the tree in a lively manner, but quickly escapes on being noticed.

There appear to be but two species of *Bats* (vespertilio), which are however very common in Coorg houses and temples and on the sago and plantain tree. Their flesh is considered very strengthening, and in cases, where Europeans would give cod liver oil to a delicate child, the Coorgs administer a roasted bat.

Of the *Carnivora* there are many representatives foremost the *Royal tiger* (felis tigris) which in former days was much more numerous all over Coorg; but even now it is not scarce, though he seldom attacks man. The large game of the jungles and the herds of cattle roaming about satisfy his appetite. During the reign of the Coorg Rajahs there were annual tiger hunts and Linga Rajah seldom killed fewer than there were days in the year. He was fond of these animals and kept some about his palace as pets. An amusing story about these royal pets is told by Captain Basil Hall, who visited this prince in 1813: "On returning" he writes, "to the great square in the centre of the building (now palace in Mercara) we found 3 chairs placed for us on Turkey carpet, spread on the ground in the open air. The Rajah took a seat and made me come beside him, after placing his son, a nice little boy, nine or ten years of age, on my right hand. This young fellow was gaily dressed with a large overspreading turban. A dark circle about the tenth of an inch broad, was painted round each of his eyes, which gave him a strange staring look; and on his cheeks, brow and chin were placed small black marks, or beautiful spots about twice as large as the head or dot of a note in music.

"The whole area of the court was now begirt with soldiers,

[Errata: This should read "beauty spots." See Corrigenda sheet, Cat. 116, p. 493 -- Analyst]

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kádili) is of a brownish colour; in its provident care against the rainy season it commits great damage to the ripening paddy-fields and stores considerable quantities of grain in its subterraneous burrows, to the great satisfaction, however, of the lynxeyed Wotter (tank digger) who searches after the little granary and carries away in triumph the owner and its property for his own meal. A formidable rat for its destructive burrowing habits is the Bandicoot (*Mus bandicota Can.* Heggana). It grows to the size of a sucking pig, is of a blackish colour and lives near houses. To protect their rice against these enemies, the Coorgs store their grain in enclosures, called pattáya, which are raised 2 feet from the ground with an open space all round. It undermines walls and causes buildings to tumble down. Its flesh is eaten by the Holeyas, Kurubas and Yerawas.

Of squirrels there are 4 species: the striped, the grey, the red and the flying squirrel. The first species (Tamias striatus) is very common in the open and warmer districts of Coorg, especially in Fraserpet, where it familiarly runs along the thatched roofs of the European bungalows and amuses their inmates with its little squeak. It is a pretty tiny creature; with its tail it measures about 9 inches. Its body is of a greyish colour, whitish below and 3 brown longitudinal stripes and 2 white ones on the upper parts. In Hindoo fable, this little animal is said to have been rewarded by Ráma for its services in constructing his bridge over the sea to Ceylon. Passing his hand over its back he said: "Shábás" (well done) and behold, it was marked with indelible streaks!

The grey squirrel is somewhat larger than the former, without stripes, and lives on trees. The red squirrel (Sciurus maximus, *Can.* kenjari) is a remarkably lively and handsome animal, when enjoying its native liberty. In length over two feet, of which its bushy tail measures half, it surpasses its European cousin in size and beauty. All that can be

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249 to the hut before sunset. After a hearty meal, they pick the capsules from the branches, an operation that keeps them up till late at night. With the dawn of day the men set out again for the plantation. The master remains. At noon the women of the house arrive; the picked cardamoms are measured into bags which they carry home to the drying ground. In the Gade-males the cardamoms are dried on the spot on a bamboo mat in the open but near a sheltering hut in case of rain. They are thinly spread and require but 4 days' hot sun to dry; further exposure would cause the capsules to burst, which is avoided. Before the capsules are ready for the market, the fruit-stalks are rubbed off, and all impurities [251] removed. When assorted according to size and colour, they are stored away in closed baskets in a dry room, to preserve [439] their aroma. Mopla traders or their agents visit the Nâds at this time with a stock of bright handkerchiefs and other attractive finery for the Coorg women and make many a good bargain.

Some Coorgs gather from 30 to 50 maunds in weight of dry cardamoms, one maund (equal to 1,100 rupees in weight) is worth from 50 to 65 rupees in Coorg. The average produce of one garden of a quarter of an acre in extent may be estimated at 10 seers of dry cardamom. The contingent expenditure is insignificant. With more systematic cultivation seedlings and roots might be transplanted, and by trenching, manuring and irrigation, the produce might be greatly increased in quantity; but the owners of cardamom jungles require to have them on a longer lease, to make such extra expenditure remunerative.

245 177 [167] *Coffee cultivation.*—There are but few Europeans and natives in Coorg, who are not interested in coffee cultivation. As the rush to the Ceylon Coffee-districts before the memorable years of 1847 and 1848, so has been the influx of European settlers to Coorg for the last 8 years. Their number is

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245 round the stalk, it forms a large bunch numbering from 200
[262] to 300 plantains. The fruit when divested of its skin may be
[251] eaten raw, roasted or baked, or when sliced and dried in the sun, reduced to a kind of flour which is considered very nourishing.

The fruit is supposed to have been the forbidden fruit of Paradise, hence the botanical name of the plant. There is a great variety of plantains, which differ in size, colour and the flavour of their fruit, but all the Coorg plantains seem to be particularly rich in saccharine matter and very nutritious.

[824] The plant is highly esteemed by the natives as the emblem of plenty and fertility and is as such in constant requisition
[526] at their marriage and other festivals for ornamenting the entrance of houses and temples. Stumps of large trunks occupy also a conspicuous place in their games and amusements, for it is considered a feat of strength to cut one through at a blow with the famous Coorg knife.

248 The *Musa textilis* or "*Manilla Hemp*" Plantain has been
139 introduced by Captain Cole, and I have successfully naturalized it in Mercara. Numbers of shoots have already been distributed for extensive cultivation for the sake of its valuable fibre for cloth and paper-manufacture. The fruit is like the common large plantain, but so full of seeds that it can hardly be eaten.

Along with this plant also *the Rheea or Assam Nettle* (Boehmeria nivea) was introduced, and having successfully reared it in Mercara, I distributed a quantity of roots and cuttings amongst the planters all over Coorg, who find it thriving very well in their sheltered ravines without any further care, but do not yet see how to make the cultivation profitable, owing to the difficulty and expense in preparing the fibre. The plant is indigenous to south-eastern Asia and is known in China as Ma or Chuma and in Assam as Rheea. It is a herbaceous plant, with large, perennial, spreading and